

5-21-2012

2012 Commencement for Jefferson Medical College, Jefferson College of Graduate Studies, and Jefferson School of Population Health

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188TH

COMMENCEMENT

Jefferson Medical College
Jefferson College of Graduate Studies
Jefferson School of Population Health

of

THOMAS JEFFERSON UNIVERSITY

PHILADELPHIA, PENNSYLVANIA

1824-2012

Monday, May Twenty First
Two Thousand and Twelve
Half Past Ten O'Clock

KIMMEL CENTER for the PERFORMING ARTS
260 SOUTH BROAD STREET
VERIZON HALL

The Oath of Hippocrates

I do solemnly swear by that which I hold most sacred:

That I will be loyal to the profession of medicine,
just to its members, and generous to its institutions;

That I will lead my life and practice my art in
uprightness and honor;

That I will give respect and gratitude to those who
have taught me this art;

That into whatsoever house I shall enter, it shall be
for the good of the sick to the utmost of my power,
I holding myself aloof from wrong, from corruption,
from the tempting of others to vice;

That I will exercise my art for the best care of my
patients,
and I will give no drug, perform no operation for
a criminal purpose, even if solicited far less
suggest it;

That whatsoever I shall see or hear of the lives of
my patients which is not fitting to be spoken,
I will keep inviolably secret.

These things I do promise upon my honor.

Processional.....TRUMPET VOLUNTARY.....JOHN STANLEY
THE JEFFERSON PROCESSIONAL BURLE MARX

Opening Proclamation.....DAVID R. BINSWANGER
Chairman, Board of Trustees
Thomas Jefferson University

The National Anthem

Convocation and RemarksROBERT L. BARCHI, MD, PhD,
President, Thomas Jefferson University

Conferring of Honorary DegreePRESIDENT BARCHI
BARBARA F. ATKINSON, MD, Doctor of Science
Presented by.....CHAIRMAN BINSWANGER

Conferring of Degrees in Course.....PRESIDENT BARCHI

Jefferson College of Graduate Studies

Doctor of Philosophy

Master of Science

Presented byGERALD B. GRUNWALD, PhD
Dean, Jefferson College of Graduate Studies

Jefferson Medical College

Doctor of Medicine

Presented byMARK L. TYKOCINSKI, MD
Dean, Jefferson Medical College
Senior Vice President, Thomas Jefferson University

The Oath of Hippocrates.....JOSEPH F. MAJDAN, MD, FACP
Assistant Professor of Medicine

Jefferson School of Population Health

Master of Science

Presented byDAVID B. NASH, MD, MBA
Dean, Jefferson School of Population Health

RecessionalPOMP AND CIRCUMSTANCE.....ELGAR

THE REVEREND R. BRUCE TODD, Organist

Grand Marshal

CHRISTOPHER V. CHAMBERS, MD

Faculty Marshals

CAROL BECK, PhD

ALBERT G. CRAWFORD, PhD

DENNIS M. GROSS, PhD

HOWARD K. RABINOWITZ, MD

CLARA A. CALLAHAN, MD

KRISTIN L. DESIMONE, MD

KAREN D. NOVIELLI, MD

SUSAN L. RATTNER, MD

RAELYNN COOTER, PhD

LEONARD M. EISENMAN, PhD

CHARLES A. POHL, MD

Student Marshals

AMY K. TOPOROWSKI

TESSA LAWRENCE

The audience is requested to remain seated during the Academic Procession and Recession.

Candidates for the Degree of Doctor of Philosophy

ETHAN ABEL (Genetics) B.S., SUNY Albany Thesis Title: “The Role of FOXD3 in Melanoma and Response to RAF/MEK Inhibitors” Advisor: Andrew E. Applin, PhD	Cherry Hill, NJ
RYAN J. BOURGO (Genetics)..... B.S., Ferris State University Thesis Title: “The Impact of RB Deficiency on Hepatocyte Biology and Tumorigenesis” Advisor: Erik S. Knudsen, PhD	Highland, IN
RICHARD L. CARPENTER (Cell & Developmental Biology)..... M.A., University of Central Florida B.S., West Virginia University Thesis Title: “Arsenic-Induced Cell Transformation and Angiogenesis Requires NADPH Oxidase Isoform 2-Derived Reactive Oxygen Species” Advisor: Bing-Hua Jiang, PhD	Charleston, WV
JOSEPH COMBER (Immunology & Microbial Pathogenesis) B.S., Neumann College Thesis Title: “MHC Class II Restricted Processing of Endogenous Antigens During Viral Infection” Advisor: Laurence Eisenlohr, VMD, PhD	Allentown, PA
ANGELA D. CONDE (Immunology & Microbial Pathogenesis) B.A., LaSalle University Thesis Title: “Cyclophilin A, Dynein Light Chain 3, and HIV-1 Capsid: Defining Elements of Host-pathogen Interactions and Roles in Viral Replication” Advisor: Charles Scott, PhD	Royersford, PA
JEFFERY L. DEAN II (Genetics)..... B.S., University of Kentucky Thesis Title: “Therapeutic CDK4/6 Inhibition in Breast Cancer and the Importance of Reestablishing Cell Cycle Control through RB Activation” Advisor: Erik S. Knudsen, PhD	Taylor Mill, KY
GREGORY SCOTT DICKINSON (Immunology & Microbial Pathogenesis)..... B.S., University of Maryland Thesis Title: “Determining the Role of Toll-like Receptors in Innate and Adaptive Immune Responses to Borrelia Hermsii and Other Antigenic Targets of T Cell-independent Humoral Immunity” Advisor: Kishore Alugupalli, PhD	Blue Bell, PA
*JOSHUA DONALDSON (Biochemistry & Molecular Biology)..... B.S., College of New Jersey Thesis Title: “Improving the Efficacy and Side Effect Profile of Therapeutic Antibodies” Advisor: John Williams, PhD	Lumberton, NJ
JOSEPHINE HEATHER FOX (Immunology & Microbial Pathogenesis)..... M.S., Lehigh University B.S., The Pennsylvania State University Thesis Title: “Understanding the Many Facets of RET/PTC Oncogene Activity in Thyroid Carcinoma” Advisor: Laurence Eisenlohr, VMD, PhD	Deptford, NJ
EMILY ANN GOMME (Immunology & Microbial Pathogenesis) B.S., Wilkes University Thesis Title: “Harnessing the Power of Recombinant Rabies Viruses to Make Safer Vaccines and Study Viral Clearance from the Brain” Advisor: Matthias Schnell, PhD	Ricgelsville, PA

* Also receiving a Doctor of Medicine Degree from Jefferson Medical College

KATHARINE JEAN HAHN (Molecular Cell Biology)..... B.S., Stockton State College Thesis Title: “Defining the Pathway of Hemoglobin Transport in Plasmodium Falciparum” Advisor: Theodore Taraschi, PhD	Havertown, PA
DEBORAH ANNE JENSEN (Molecular Cell Biology)..... B.S., Ursinus College Thesis Title: “The Effects of Expression of Thermolabile R789C and R992C Collagen II Mutants on Cell Behavior and Extracellular Matrix Structure and Function” Advisor: Andrzej Fertala, PhD	Philadelphia, PA
CHRISTINE JULIANA (Genetics)..... B.S., The College of New Jersey Thesis Title: “Characterization of the NLRP3 Inflammasome: Inhibitors, Activators, and Priming” Advisor: Emad Alnemri, PhD	Burlington, NJ
S. KATHRYN KIDD (Molecular Cell Biology)..... B.S., Virginia Tech Thesis Title: “Protection of Dopaminergic Cells From 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine/1-methyl-4-phenylpyridinium Toxicity by Histone Deacetylase Inhibitors” Advisor: Jay Schneider, PhD	Philadelphia, PA
KAROL L. OSIPOWICZ (Neuroscience)..... B.S., Drexel University Thesis Title: “Multimodal Neuroimaging of Neuroplastic Reorganization in Temporal Lobe Epilepsy” Advisor: Joseph Tracy, PhD	Philadelphia, PA
SANDA S. REMAKUS (Immunology & Microbial Pathogenesis)..... B.S., Temple University Thesis Title: “Mechanisms of Memory CD8+ T cell Protection from an Acute Lethal Viral Disease” Advisor: Luis Sigal, PhD	Philadelphia, PA
*TARA ROBINSON (Immunology & Microbial Pathogenesis)..... B.A., University of Pennsylvania Thesis Title: “Nonclassical Antigen Processing and the Implications for Autoimmunity and Infection” Advisor: Laurence Eisenlohr, VMD, PhD	Philadelphia, PA
JACQUELYN ROTH (Genetics)..... B.S., Franklin & Marshall College Thesis Title: “Insertional Mutagenesis as a Tool for Identifying and Characterizing Novel Candidate Cancer Genes” Advisor: Arthur Buchberg, PhD	Philadelphia, PA
SUPRIYA SHAH (Genetics)..... M.S., University of West Virginia B.S., Wilson College Thesis Title: “Gene-environment Interactions and Novel Therapeutic Interventions in Prostate Cancer” Advisor: Karen Knudsen, PhD	Mumbai, India
*AMANDA SMOLOCK (Molecular Physiology & Biophysics)..... B.S., Villanova University Thesis Title: “The Roles of Calpain and Protein Kinase C in Type 1 Diabetic Vascular Dysfunction” Advisor: Rosario Scalia, MD, PhD	Frackville, PA
*MICHAEL VALENTINO (Molecular Pharmacology & Structural Biology)..... B.S., Fordham University Thesis Title: “An Intestinal Prouroguanylin-Hypothalamic GUCY2C Axis Mediates Nutrient-Induced Satiety” Advisor: Scott Waldman, MD, PhD	West Chester, PA
XIANG WANG (Genetics) B.S., Northwest University Thesis Title: “An Innovative Approach for Identifying Cancer Susceptibility Genes: Complex Trait Analysis among Closely Related Inbred Strains” Advisor: Linda D. Siracusa, PhD	Xi’an, China

* Also receiving a Doctor of Medicine Degree from Jefferson Medical College

Candidates for the Degree of Doctor of Medicine

LILIT ABLABUTYAN Glendale, CA B.S., University of California-Irvine Medicine-Preliminary — Loma Linda University, CA Ophthalmology — University of Missouri-Kansas City, MO	ARTHUR H. BAGHDANIAN..... West Hills, CA <i>Cum Laude</i> AOA B.S., University of California-Los Angeles Medicine-Preliminary — Albert Einstein Medical Center, PA Radiology-Diagnostic — Boston University Medical Center, MA
IBUKUNOLUWA C. AKINBOYO Abuja, Nigeria <i>Cum Laude</i> AOA B.S., Geneva College Pediatrics — Johns Hopkins University Program, MD	ROBERT FRANCIS BAHNSEN JR. Patchogue, NY B.S./B.A., The University of Scranton Psychiatry — Duke University Medical Center, NC
SNIGDHA ALUR..... York, PA B.S., The Pennsylvania State University Obstetrics/Gynecology — University of Rochester/Strong Memorial Hospital, NY	STEPHEN AARON BALFOUR..... Stockton, CA B.S., University of California-Davis Transitional — Albert Einstein Medical Center, PA Radiology-Diagnostic — Temple University Hospital, PA
CARINNE WRIGHT ANDERSON Syracuse, NY B.A., University of Virginia Surgery — Christiana Care, DE	KRISTIN MAUREEN BATEMAN Perkasic, PA <i>Cum Laude</i> B.S., University of Pennsylvania Internal Medicine — Tulane University School of Medicine, LA
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SCHWETA R. ARAKALI..... Breinigsville, PA B.S., The Pennsylvania State University Internal Medicine — UMDNJ-Robert Wood Johnson Hospital- Piscataway, NJ	MICHAEL PATRICK BONK Hockessin, DE B.A., Catholic University Medicine-Primary — Hospital of the University of Pennsylvania, PA
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ANDREW CHI-WEI IP.....Blue Bell, PA B.S., The Pennsylvania State University Medicine-Primary — Emory University School of Medicine, GA	ERIN M. KENNINGGulph Mills, PA B.S., Lafayette College Surgery — Hershey Medical Center/Penn State, PA
ILANA ESTHER JERUDVentnor, NJ B.A., The Pennsylvania State University Psychiatry — Mt. Sinai Hospital, NY	RAENA AKBARI KHORRAM.....Philadelphia, PA B.A., Johns Hopkins University Psychiatry — Thomas Jefferson University Hospital, PA
RADHIKA MUKESH KADAKIA.....Fremont, CA <i>Cum Laude</i> AOA B.S., University of California-San Diego Internal Medicine — University of California-Davis Medical Center, CA	SONYA KHURANA.....Freehold, NJ B.S., The Pennsylvania State University Surgery-Preliminary — Temple University, PA
LAUREN KRYSTINE KAHL.....Haddonfield, NJ B.A./B.S., Syracuse University Pediatrics — Johns Hopkins University Program, MD	CHRISTOPHER E. KIMCherry Hill, NJ B.S., The Pennsylvania State University Transitional — Albert Einstein Medical Center, PA Radiology-Diagnostic — Albert Einstein Medical Center, PA
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JENNIFER SZE-WING LI.....Naperville, IL
B.A., Dartmouth College
Emergency Medicine — Case Western University Hospitals-Case Medical Center, OH

JING LI.....Boston, MA
B.S., The Pennsylvania State University
Surgery — Lankenau Hospital, PA

PEI-WEN LIM.....Petaling Jaya, Malaysia
International Medical University
Surgery — University of Massachusetts Medical School, MA

BRIDGET QINSI LIU.....San Francisco, CA
B.A., Johns Hopkins University
Emergency Medicine — University of Illinois College of Medicine, IL

SARAH RUTH LOMBARDO.....Long Beach, CA
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TIMOTHY KEVIN LYNCH.....Warwick, NY
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JULIE LYTTON.....Philadelphia, PA
B.A., University of Pennsylvania
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ANITA MAMTANI.....Toronto, Ontario, Canada
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MICHAEL N. MIRZABEIGI.....Pittsburgh, PA B.S., Villanova University Surgery-Preliminary — Hospital of the University of Pennsylvania, PA Plastic Surgery — Hospital of the University of Pennsylvania, PA	TO DUNG KHONG NGUYEN Anaheim, CA B.S., University of California-Irvine Pediatrics — Loma Linda University, CA
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B.S., University of Delaware

CHRISTINE FERNANDES West Chester, PA
B.A., Rutgers University

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B.S., The Pennsylvania State University

JENNIFER A. TALARICO Havertown, PA
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TYLER MICHAEL WOLFORDSmithsburg, MD
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B.S., St. Joseph’s University

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Doctor in Biological Studies, University of Rome, Italy “La Sapienza”

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B.S., Lafayette College

KATHERINE LILLIAN CRANSTON Louisville, KY
B.S., The Pennsylvania State University

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JANET NICOL MILLIMAN..... Rochester, NY
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ANNA M. QUINN.....Coatesville, PA
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STEPHANIE D. REED.....Bay Saint Louis, MS
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LORI SINGERMAN.....Gainesville, FL
B.A., Muhlenberg College

DONIELLE STURGIS..... Wyndmoor, PA
B.S., Spellman College

ERIN REGINA WINTERHALTER.....Ardmore, PA
B.S., University of Delaware

KATHERINE ELLEN MACLEAN Broomall, PA
B.S., Manhattan College

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DEBRA ANNE LOGGIAMarlton, NJ
B.A., Albright College

ADAM LUSTIG..... Philadelphia, PA
B.A., SUNY Albany

XINGLEI SHEN Philadelphia, PA
M.D., University of Pittsburgh
B.S., Yale University

Doctor of Science — Barbara F. Atkinson, M.D.

Barbara F. Atkinson, M.D., a 1974 graduate of Jefferson Medical College, is the Former Executive Vice Chancellor of the University of Kansas (KU) Medical Center and the Executive Dean of the KU School of Medicine. She joined the University of Kansas School of Medicine in 2000, and became the school's Executive Dean in 2002 and Executive Vice Chancellor of the Medical Center in 2005. Dr. Atkinson was the first woman in the country to hold both positions at a medical center.

Dr. Atkinson is also the president of The Foundation for the History of Women in Medicine, an organization that works to promote and preserve the history of women in medicine and the medical sciences.

After earning her bachelor's degree from the College of Wooster in Wooster, Ohio, Dr. Atkinson earned her medical degree from Jefferson in 1974. She stayed in Philadelphia for the next 25 years, working as assistant and associate professor and director of the cytopathology laboratory at the University of Pennsylvania School of Medicine from 1978 to 1987; then as professor and chair of the Department of Pathology and Laboratory Medicine at the Medical College of Pennsylvania from 1987 to 1994; and at the Medical College of Pennsylvania and Hahnemann University from 1994 to 1996. From 1996 to 1999, she was the Annenberg Dean of the MCP Hahnemann School of Medicine, now Drexel College of Medicine.

Dr. Atkinson's research interests include the identification and characterization of tumor antigens in cells and tissues and the development of techniques to recognize tumors and tumor types. She has edited seven books, including the *Atlas of Cytopathology* (1992) and the *Atlas of Difficult Diagnosis in Cytopathology* (1998, second edition in 2003) about the diagnosis of diseases based on the appearance of individual cells and groups of cells.

Dr. Atkinson was elected as the first female trustee of the American Board of Pathology in 1992 and is a past president of that organization. She is a member of the Administrative Board of the Council of Deans of the Association of American Medical Colleges, serves on the Board of Directors of the Association of Academic Health Centers, and is a member of the National Board of Medical Examiners. In 1996, Dr. Atkinson received the Jefferson Medical College Alumni Achievement Award. In 1997, she was elected to membership in the prestigious Institute of Medicine of the National Academy of Sciences.

Awards and Prizes

Awarded at Class Day Exercises on Sunday, May 20, 2012

Faculty Awards

The Christian R. and Mary F. Lindback Award for Distinguished Teaching.

JOSEPH MAJDAN, M.D., *Assistant Professor, Department of Medicine,
Director of Professional Development, University Clinical Skills and Simulation Center*

Dean's Award for Distinguished Teaching.

JOSEPH MAJDAN, M.D., *Assistant Professor, Department of Medicine,
Director of Professional Development, University Clinical Skills and Simulation Center*

Blockley-Osler/Dean's Teaching Award for Excellence in Teaching. To a faculty member of a Jefferson-Affiliated Hospital.

MARK GOEDECKER, M.D., *Clinical Assistant Professor of Family and
Community Medicine, Assistant Program Director, York Hospital*

The Leon A. Peris Memorial Award. To a member of the volunteer faculty for excellence in clinical teaching and superior patient care.

WILLIAM SURKIS, M.D., *Clinical Assistant Professor, Program Director for Internal Medicine
Residency Program, Lankenau Medical Center*

The Leonard Tow Humanism in Medicine Award presented by The Arnold P. Gold Foundation. To an outstanding faculty member demonstrating exemplary compassion in doctor/patient relations.

NIELS MARTIN, M.D., F.A.C.S., *Assistant Professor of Surgery,
Associate Program Director, Graduate Surgical Education*

The Award for Excellence in Interprofessional Practice is given to a faculty or staff member of Thomas Jefferson University or Thomas Jefferson University Hospital. Jefferson Interprofessional Practice Award is given to a practitioner/clinician who demonstrates excellence in interprofessional practice and whose leadership efforts have promoted interprofessional practice among colleagues, staff, students and patients.

DEMETRIUS BAGLEY, M.D., *Nathan Lewis Hatfield Professor of Urology*

The Award for Excellence in Interprofessional Education is given to a Jefferson Medical College Faculty Member. Thomas Jefferson University Interprofessional Education Award is given to a faculty member who demonstrates excellence in interprofessional education and whose efforts have impacted collaboration among all colleges to the benefit of students.

LAUREN COLLINS, M.D., *Assistant Professor of Family and Community Medicine*

Awards to Graduating Students

The E. Harold Hinman Memorial Prize, for extraordinary interest and accomplishment in family medicine. Sponsored by family and friends in memory of E. Harold Hinman, Ph.D., M.D., M.P.H., Professor Emeritus of Preventive Medicine.

PATRICK MARTIN DOGGETT (honorable mention: NEHA SACHDEV)

The Michael Grasso, M.D. Prize in Urology, this award is given to Jefferson Medical College students who have been recognized by the staff of Urology for accomplishing in their four years of medical education clinical and/or basic science research which has added positively to our understanding and treatment of urologic disorders.

ANDREW CRAIG MARGULES

The Carroll R. Mullen Memorial Prize in Ophthalmology. To the senior who has displayed outstanding aptitude and excellence in ophthalmology.

FELINA ZOLOTAREV KREMER (honorable mention: BRYNN N. WAJDA and SUMMER ANGELA WILLIAMS)

The Sarah G. Miller Obstetrics and Gynecology Prize. To a senior who has demonstrated excellence in obstetrics and gynecology during the entire curriculum. Sponsored by Mrs. Sarah George Miller in memory of John B. Montgomery, M.D., Professor Emeritus of Obstetrics.

CLAIRE VIOLAINE HOPPENOT

The Baldwin L. Keyes Prize in Psychiatry. Given by Mr. Joseph H. Levit in memory of his wife Mae K. Levit, in honor of Baldwin L. Keyes, M.D., Sc.D., Professor Emeritus of Psychiatry.

MEGHAN NOEL STARNER

The Harold L. Stewart, M.D. '26 Prize in Pathology. Awarded to the academically excellent student who has completed a pathology research project.

STEVEN TODD KRAMER

The Leopold Z. Goldstein, M.D. Memorial Prize in Obstetrics and Gynecology. To the student with the highest average in obstetrics and gynecology. In memory of Leopold Z. Goldstein, M.D. sponsored by his daughters.

LYUBA GITMAN (honorable mention: ZAFIA ANKLESARIA)

The Dean Marie Baner Memorial in Pediatrics, for excellence in pediatrics. Sponsored by family and friends in memory of Dean Marie Baner, M.D. a graduate of the Class of 1973.

MATTHEW MICHAEL DEMCZKO (honorable mention: SHANNON ELIZABETH DOYLE)

The Norman F. Sokoloff, M.D. Award, for excellence in clinical and diagnostic skills. Sponsored by family and friends in memory of Norman F. Sokoloff, M.D., a proud graduate of Jefferson's Class of 1969.

DANIELLE ELLIOTT WEBER

The Burton L. Wellenbach, M.D. - JMC Class of 1944 Award for Excellence in Obstetrics and Gynecology and Medical Ethics. Awarded to the graduating senior who demonstrates excellence in obstetrics and gynecology and medical ethics as exemplified by Dr. Burton L. Wellenbach's 50 years of practice and dedication to Jefferson Medical College and medicine.

CRYSTAL A. CRAIG

The Philip J. Hodes Prize in Radiology. To the fourth-year medical student displaying outstanding aptitude and interest in radiology.

ARMONDE ALEK BAGHDANIAN

The William C. Davis, Class of 1977 Prize in Emergency Medicine is awarded to a senior who will pursue a career in emergency medicine. Sponsored by Mrs. Charlotte Davis in memory of her son, William C. Davis, M.D., an alumnus of Jefferson Medical College.

KAROLINA PAZIANA (honorable mention: KRISTINE LOUISE SCHULTZ)

The Joseph F. Rodgers, M.D. Memorial Award. Given to a fourth-year medical student who has exhibited excellence in the discipline of internal medicine, especially diagnostic skills and a devotion to their patients.

ANJALI PRABHU (honorable mention: DANIELLE ELLIOTT WEBER)

The Arnold R. Weitz Memorial Prize in Hematology. Awarded to a senior medical student for outstanding aptitude and interest in hematology. Sponsored by family and friends in memory of Arnold R. Weitz, M.D.

TIMOTHY EDWARD SOMMERVILLE (honorable mention: STEVEN TODD KRAMER)

The William F. Kellow Prize. To the student who most closely exemplifies the attributes of the ideal physician. Sponsored by family and friends in memory of William F. Kellow, M.D., Dean and Vice President of Jefferson Medical College from 1967 to 1981.

BRYNN N. WAJDA

Robert J. Mandle Memorial Graduation Award. Given to the graduating student who has shown the greatest proficiency in research in the field of microbiology or related medical science as judged by the faculty of the Department of Microbiology.

TARA MARGARET ROBINSON

The Francis Torrens Stewart, M.D. Clinical Surgery Prize, for general excellence in clinical surgery. In memory of Francis Torrens Stewart, M.D., Professor of Clinical Surgery, 1910-1920.

ZHI VEN FONG (honorable mention: JOSHUA KEYN MUN WONG)

The Philip P. Ripepi, M.D. Prize in General Surgery is awarded to a senior medical student pursuing a career in general surgery, who is deemed most worthy by the Jefferson Medical College surgical faculty. It is named for Philip P. Ripepi, M.D., esteemed educator, surgical innovator, nationally recognized oncology surgeon, and former Chairman of the Department of Surgery at Mercy Hospital of Pittsburgh.

MADALYN GRACE MARIE PETERS (honorable mention: BASIL W. SCHAHEEN)

The Edward J. Moore Memorial Prize in Pediatrics. To the student demonstrating the greatest aptitude in pediatrics. In memory of Edward J. Moore, M.D.

LUKE ANHOW SHIEH (honorable mention: JOLIE HSU)

The S. MacCuen Smith Memorial Prize in Otolaryngology. To the most able senior in the field of otology. Sponsored by Mrs. Stuart Lodge Bullivant in memory of her father.

RICHARD LORD VINCENT

The Arthur Krieger Memorial Prize in Family Medicine, for excellence in family medicine. Sponsored by family and friends in memory of Arthur Krieger, M.D.

MARSHAL NEWTON MILLER (honorable mention: BRIANNA MARIE HORVATH)

The Arthur Krieger Memorial Prize in Neurology, for excellence in neurology. Sponsored by family and friends in memory of Arthur Krieger, M.D.

JOYCE TSAI

The Hubert Spencer Sear, M.D. Memorial Award. Awarded to an outstanding fourth-year student in radiology. Sponsored by family and friends in memory of Hubert Spencer Sear, M.D., Class of 1950.

ARTHUR HAMO BAGHDANIAN (honorable mention: PAUL ARMSTRONG HILL)

The Alexander and Lottie Katzman Award in Gastroenterology. Awarded to the most proficient student in gastroenterology as judged by the faculty. Sponsored by Joseph Medoff, M.D., and Mrs. Medoff in memory of Mrs. Medoff's parents.

JULIE LYTTON (honorable mention: AARON HENRY MENDELSON)

The Philip and Bella Medoff Memorial Prize, for excellence in internal medicine and outstanding contributions to the Hobart Amory Hare Medical Honor Society. Given to a senior who is a member of the Society and who is recommended by the Magee Professor of Medicine and the faculty advisor of the Society. Sponsored by Joseph Medoff, M.D., Mrs. Medoff, and children.

HETAL HARISH CHOXI (honorable mention: ISAAC CRANE MATTHIAS)

The William T. and Madeline Lemmon Memorial Prize in Anesthesiology, for clinical work or writing in the field of anesthesiology. Awarded from an endowment established by family members in memory of William T. Lemmon, Sr., M.D.

AMY K. MEHTA (honorable mention: RYAN SHIENBAUM)

The Annie Simpson General Medicine Prize. Awarded to the medical student who received the best general average in general medicine.

ZAFIA ANKLESARIA (honorable mention: SARAH LENOIR SAMMONS)

The Annie Simpson Pulmonary Medicine Prize. Awarded to the medical student who received the best general average in pulmonary medicine.

JOSHUA MICHAEL DONALDSON (honorable mention: CHANTEL YEJI PARK)

The William Potter Memorial Prize in Clinical Medicine. Awarded to the graduating student with the best performance in clinical medicine, from a bequest of Mrs. Adaline Potter Wear.

MARSHAL NEWTON MILLER

The Hyman Menduke Research Prize is awarded to the graduating senior who, as determined by the Committee on Research of the faculty, has demonstrated excellence in research while a student at Jefferson Medical College. Sponsored by Michael LeWitt, M.D., Class of 1974.

AMANDA ROSE SMOLOCK

The William W. Bodine, Jr. Prize is a research award made to a student who has completed three years and has shown the greatest tenacity and dedication in research as determined by the Jefferson Medical College Committee on Research.

MICHAEL A. VALENTINO

The Drs. Donald R. and Henry Pohl Prize for Professionalism is awarded to the senior medical student who exemplifies the ideals of professionalism.

DANIELLE ELLIOTT WEBER (honorable mention: JOSHUA MICHAEL DONOHUE)

The Dean's Student Service Award is awarded to the fourth-year student who has given generously of time and talents for the service of classmates and Jefferson Medical College as selected by the Dean.

DANIELLE ELLIOTT WEBER (honorable mention: PATRICK SULLIVAN BUCKLEY)

The Alumni Prize is awarded by the Alumni Association of Jefferson Medical College to the fourth-year student with the highest cumulative record.

MARSHALL NEWTON MILLER

The Alfred I. duPont Hospital for Children Prize. Awarded to the student whose performance best demonstrates the qualities of academic and clinical excellence, human compassion, and a commitment to the welfare of others as was exemplified by the life and trust of Alfred I. duPont.

MARGARET ANNE LAFFERTY

The Leonard Tow Humanism in Medicine Award presented by The Arnold P. Gold Foundation is given to an outstanding student demonstrating exemplary compassion in doctor/patient relations.

ZEIN KHOZAIM NAKHODA

The Frans J. Vossenberg, M.D., Memorial Prize in Internal Medicine is awarded to a graduating senior member of the Alpha Omega Alpha Honor Society who has chosen to pursue a career in the field of Internal Medicine and has demonstrated excellence in diagnostic skills and patient compassion as exemplified by the life of Frans J. Vossenberg, M.D. Class of 1950.

MICHAEL DAVID SHARE

The J. Woodrow Savacool, M.D., Prize in Medical Ethics is awarded to the senior medical student who embodies the ideal of the physician's caring commitment to moral and ethical values in medicine. Sponsored by a committee of friends and colleagues in memory of J. Woodrow Savacool, M.D., an alumnus and Honorary Clinical Associate Professor of Medicine, Jefferson Medical College.

PATRICK MARTIN DOGETT (honorable mention: KRISTINE LOUISE SCHULTZ)

The Philip J. Wolfson, M.D., Memorial Prize for Leadership is awarded to the senior who has served as a role model for effective leadership and professional behavior through the four years of medical school. Sponsored by the family, colleagues, and friends of Philip J. Wolfson, M.D.

MITAQ VAHEDI (honorable mention: MADALYN GRACE MARIE PETERS)

The Irving J. Olshin, M.D., Memorial Prize in Pediatrics is awarded to the graduating senior who best combines scholarship, integrity, and an engagement in human character and ethics with their study of medicine, as exemplified by Dr. Irving J. Olshin's forty-five years of practice and dedication to Jefferson Medical College and the Department of Pediatrics.

IBUKUNOLUWA C. AKINBOYO

The Jennifer Reed Bakker, M.D., Class of 2001 Memorial Prize is awarded to the graduating senior who best displays compassion for the sick, a true sense of humanity, and meticulous regard for human dignity.

KANANI ELAINE TITCHEN

The Catherine Liu, M.D. Memorial Prize in Obstetrics and Gynecology is awarded to a fourth-year medical student who plans to pursue a career in Ob/Gyn. This student should demonstrate academic excellence and a commitment to women's health

AMANDA MARIE DEMING

The Maria Werner-Wasik, MD Award for Excellence in Radiation Oncology is awarded to a fourth-year medical student who choose to participate in the third-year selective rotation and who demonstrated the necessary qualities to develop as a leader in academic radiation oncology.

KAMILA ANNA NOWAK

The University Mace

Originally a medieval weapon, the mace evolved from a short staff weighted with metal (used for breaking armor) into a bejeweled and sculptural relic. It fell into disuse by the 16th century as firearms made protective armor and some hand-to-hand combat weapons obsolete. In one of the earliest ceremonial uses of the mace, it was carried by the royal bodyguard before the French king in the 1200s. Examples of the mace as a symbol of authority in modern government include its use in the British House of Commons where the ceremonial mace has a presence on the Treasury table, and in the U.S. House of Representatives, where it is placed on a pedestal to the right of the Speaker's podium when the House is convened. Universities also used the ceremonial mace, borne by the chief marshal, during academic processions.

The Thomas Jefferson University Mace, carried for the first time in the 1986 commencement ceremonies by Grand Marshal Robert Mandle, PhD, was designed and cast by Howard Serlick, member of the Guild of Mastercraftsmen, Winterthur Scholar and Chief Conservator (Gilding) of the Historical Society of Pennsylvania. It was crafted by silversmith Eugene Zweigle and woodturner Michael Copeland.

The four-foot-long, 14-pound mace is made of ebony highlighted with lapis lazuli to reflect Jefferson's colors (black and blue). It features a miniature of Henry Mitchell's sculpture, the "Winged Ox of Saint Luke," symbol of Saint Luke the Physician, the original of which stands on campus beside the Scott Building on Walnut Street. The miniature was cast in silver by Zweigle.

Mitchell's original statue of the "Winged Ox," adopted by the University in 1976 as its symbol of clinical excellence, is mounted on a column containing the names of 50 medical scientists who have most advanced the art of healing. It also reflects the historical evolution of Thomas Jefferson University from its beginnings as Jefferson Medical College in 1824 to its current status as an academic institution comprising the Jefferson Medical College, the Jefferson College of Graduate Studies and the Jefferson School of Health Professions, the Jefferson School of Nursing, the Jefferson School of Pharmacy and the Jefferson School of Population Health.

The mace, a grand emblem of the University's heritage, is carried at the head of all formal academic processions.

Presidential Medallion of Thomas Jefferson University

The President's Medallion was created in 2009 during the tenure of Robert L. Barchi, MD, PhD, the fourth President of Thomas Jefferson University. It replaced the previous, well-worn President's Medallion made in 1977, which had depicted four old corporate seals used in various eras of the institution's history.

The current medallion was designed and crafted by Tiffany & Company, New York. It consists of a sterling silver medallion suspended from a heavy, silver double-link chain. The medallion's obverse depicts the University seal, a bas-relief profile of Thomas Jefferson, and the surround reads, "THOMAS JEFFERSON UNIVERSITY - 1824," the year the institution was founded. The reverse is engraved with the names of the four University Presidents.

Silver is a metal long-associated with medicine and is recognized to have anti-bacterial properties. Hippocrates (ca. 300 BCE) acknowledged the healing powers of silver and the ancients used silver bottles to keep water or wine from spoiling. The expression "born with a silver spoon in your mouth" comes from the Middle Ages; when the wealthy gave their children silver spoons to suck on to prevent disease.

Like many academic traditions, the display of a heavy "chain of office" comes down to us from medieval regalia and represents the weight of responsibility for the wearer. The chain itself connotes strength in unity, as well as strong communication.

The Presidential Medallion is worn by the President at all convocations of the University.

The Jefferson Processional

The Jefferson Processional was commissioned by the Alumni Association of Jefferson Medical College and played for the first time on November 15, 1974, at the Sesquicentennial Celebration of the Jefferson Medical College of Thomas Jefferson University. This piece was presented to Thomas Jefferson University by the President of the Alumni Association of the Jefferson Medical College, John J. Gartland, MD. It was composed by Burle Marx.

Academic Regalia

The attire worn at academic ceremonies evolved from the dress worn by clergy in the 12th and 13th centuries. In 1222, the Archbishop of Canterbury, Stephen Langston, decreed that a closed, flowing gown known as the cappa clausa be worn by all clerics within his jurisdiction. Because Oxford and Cambridge were within the provinces of Canterbury, the clerks at both institutions adopted this style of attire. Hoods seem to have served to cover the tonsured head until superseded for that purpose by the skull cap.

Throughout the years European universities have continued to show great diversity in their academic dress. American universities, on the other hand, when they decided to adopt academic dress in 1895, immediately established a code of regulations which today is followed by practically all American institutions. The establishment of this code has made it possible to distinguish the associate's, bachelor's, master's and doctoral degrees and, at the same time, recognize the university which has conferred the degree.

The associate in arts and bachelor's gowns have pointed sleeves and are worn closed. The master's gown has oblong sleeves, open at the wrist. The rear part of its oblong shape is square cut and the front part has an arc cut away, and is worn open or closed. The doctor's gown has bell-shaped sleeves. It is worn open or closed. The majority of gowns are black, but a number of institutions have adopted other colors to identify special programs or groups within that institution.

The hoods vary in length: 48 inches for the doctoral degree, 42 inches for the master's and 36 inches for the bachelor's and associate's. All hoods are lined in silk in the academic color or colors of the institution conferring the degree. If the institution has more than one color, the colors are shown in divisions using chevrons. The binding or edge of the doctoral, master's and bachelor's hoods is usually made of velvet in the color designating the subject in which the degree was granted. The associate's hood does not have a velvet border. The outside is black.

Black mortarboards are most commonly worn; four-sided and six-sided tams of various colors are also used.

Some of the colors in the bindings of the hoods are:

<i>White</i>	Arts and Letters	<i>Green</i>	Medicine
<i>Tan</i>	Business	<i>Apricot</i>	Nursing
<i>Lilac</i>	Dentistry	<i>Olive Drab</i>	Pharmacy
<i>Light Blue</i>	Education	<i>Dark Blue</i>	Philosophy
<i>Purple</i>	Law	<i>Salmon Pink</i>	Public Health
		<i>Golden Yellow</i>	Science

